

METHOD AND SYSTEMS FOR ANALYZING THE QUALITY OF HIGH-SPEED SIGNALS

Abstract

5 A method and systems for analyzing the quality of high-speed
signals, when signals can not be over-sampled due to sampler
clock rates, is disclosed. According to the method of the
invention, the position of a phase rotator is moved from one end
to the other and data are sampled at each position (500). Then,
10 data are formatted (505) to obtain a global value characterizing
the signal behavior. Finally, this global value is corrected
(510) to remove signal transition falsely detected too early.
The use of the phase rotator multiplies artificially the number
of sampling positions.